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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : **Confirmation No. 2633**  
Masaru FUSE et al. : Docket No. 01413/FP-0452  
Serial No. 09/417,541 : Group Art Unit 7574  
Filed October 14, 1999 : Examiner Kinfe Michael Negash

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SYSTEM FOR OPTICALLY TRANSMITTING  
FREQUENCY-DIVISION-MULTIPLEXED  
SIGNAL AND TRANSMITTER THEREFOR

**AMENDMENT**

Assistant Commissioner for Patents,  
Washington, D.C.

THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975

Sir:

In response to the Office Action of March 21, 2002, please amend the above-identified  
U.S. Patent application as follows:

**IN THE ABSTRACT**

Please replace the original abstract with the enclosed substitute abstract.

**IN THE SPECIFICATION**

Please amend the specification as follows.

Please replace the paragraph beginning at page 3, line 14, with the following  
rewritten paragraph:

**SUMMARY OF THE INVENTION**

An FM modulation scheme increases a frequency deviation to acquire a greater FM gain,  
thereby enabling signal transmission of higher quality than other modulation schemes such as  
amplitude modulation. On the other hand, the increased frequency deviation requires a wider  
signal band. In addition, in the FM modulation scheme, linear distortion tends to occur under the

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